Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	((359/724).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/18 10:05
L2	41	((359/569).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/18 10:05
L3	54	((359/566).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/18 10:05
L4	8	((359/570).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/18 10:05
L5	33	((359/719).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/18 10:05
L6	5	((359/721).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/18 10:05
L7	15	((359/708).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/18 10:05
L8	25	((369/112.03).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/18 10:05
L9	43	((369/112.04).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/18 10:05
L10	54	((369/112.05).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/18 10:05

L11	12	((369/112.06).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/18 10:05
L12	59	((369/112.07).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/18 10:06
L13	56	((369/112.08).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/18 10:06
L14	0	((369/112.011).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/18 10:06
L15	6	((369/112.11).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/18 10:06
L16	119	((369/112.12).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/18 10:06
L17	10	((369/112.13).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/18 10:06
L18	0	((359/724).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/18 10:06
L19	77	((359/569).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/18 10:06
L20	74	((359/566).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/18 10:06
L21	14	((359/570).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/18 10:07

L22	6	((359/721).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/18 10:07
L23	5	((359/708).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/18 10:07
L24	33	((369/112.03).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/18 10:07
L25	57	((369/112.04).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/18 10:07
L26	79	((369/112.05).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/18 10:07
L27	13	((369/112.06).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/18 10:07
L28	77	((369/112.07).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/18 10:07
L29	58	((369/112.08).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/18 10:07
L30	5	((369/112.11).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/18 10:08
L31	128	((369/112.12).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/18 10:08
L32	31	((359/719).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/18 10:08

L33	10	((369/112.13).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/18 10:08
L34	17859	(diffract$ with (grating or element)) with (refract$ or lens$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/18 12:38
L35	923	34 and (optic$4 with (head or pickup or pick?up or (pick near3 up))) and (cd or cdr or cd?r) and dvd	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/18 12:40
L36	15	35 and (grating with (ring or peripher$ or intermed$)) and (refract$ with (center$ or central$))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/18 15:22
L37	232	35 and ((wavefront or wave?front or (wave near3 front)) with aberrat$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/18 15:23
L38	1	("6118594").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/18 16:13
L39	2	(convex and lens$2 and record$ and medi$3 and diffract$ and (grating or element) and (wavefront or wave?front or (wave near3 front)) and aberrat$ and (focus$ or converg$)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/18 16:23
L40	40	(lens$2 and record$ and medi$3 and diffract$ and (grating or element) and (wavefront or wave?front or (wave near3 front)) and aberrat$ and (focus$ or converg$)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/08/18 16:23
S1	4	(("6687209") or ("6370103")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/10/29 12:19
S2	2	jp-10283668-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:19
S3	0	((359/724).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:36

S4	36	((359/569).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:36
S5	47	((359/566).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:36
S6	8	((359/570).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:36
S7	29	((359/719).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:36
S8	5	((359/721).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:36
S9	14	((359/708).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:36
S10	19	((369/112.03).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:36
S11	41	((369/112.04).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:36
S12	36	((369/112.05).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:36
S13	11	((369/112.06).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:36
S14	56	((369/112.07).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:36

S15	45	((369/112.08).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 13:58
S16	0	((369/112.011).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:37
S17	5	((369/112.11).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:37
S18	116	((369/112.12).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:37
S19	8	((369/112.13).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:37
S20	0	((359/724).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:37
S21	66	((359/569).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:37
S22	64	((359/566).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:37
S23	13	((359/570).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:37
S24	6	((359/721).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:37
S25	5	((359/708).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:37

S26	26	((369/112.03).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:38
S27	52	((369/112.04).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:38
S28	53	((369/112.05).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:38
S29	12	((369/112.06).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:38
S30	71	((369/112.07).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:38
S31	50	((369/112.08).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:38
S32	5	((369/112.11).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:38
S33	122	((369/112.12).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:38
S34	27	((359/719).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:38
S35	10	((369/112.13).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/10/29 12:38

S36	2	("6043912").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/10/29 13:59
S37	2	("5161040").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/07 08:46
S38	11	(("6052355") or ("6118594") or ("5930214") or ("5889748") or ("5657305")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/07 08:47
S39	2	("5808993").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/07 08:50
S40	2	("6222812").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/07 11:59
S41	3	("6304540").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/07 12:17
S42	878	((diffract$ with grating) same (object$3 with lens$2)) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/07 12:49
S43	27	(((diffract$ with grating) same (object$3 with lens$2)) and (optic$4 with head)) and peripheral and intermediate and cent$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/07 13:20
S44	3	("6304540" | "6430138" | "6452880").PN.	USPAT	OR	ON	2004/06/07 13:02
S45	0	jp-2000028917.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/07 13:06

S46	2	jp-2000028917-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/07 13:08
S47	2	ep-1158503-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/07 13:09
S48	3	(((diffract$ with grating) same (object$3 with lens$2)) and (optic$4 with head)) and ((diffract$ with grating) with intermediate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/07 13:15
S49	168	(((diffract$ with grating) same (object$3 with lens$2)) and (optic$4 with head)) and cd$3 and dvd and (focus$4 or converg$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/07 13:21
S50	84	((((diffract$ with grating) same (object$3 with lens$2)) and (optic$4 with head)) and cd$3 and dvd and (focus$4 or converg$3)) and wavelength with (two or dual)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/07 13:22
S51	84	((((diffract$ with grating) same (object$3 with lens$2)) and (optic$4 with head)) and cd$3 and dvd and (focus$4 or converg$3)) and (wavelength with (two or dual))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/07 14:43
S52	2	("6091691").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/07 15:14
S53	2	("6055076").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/07 15:14
S54	1337	(optic$4 with ((pickup or pick?up) or head)) and ((objective with lens$2) same (diffract$ near4 grating))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/04 12:17
S55	167	((optic$4 with ((pickup or pick?up) or head)) and ((objective with lens$2) same (diffract$ near4 grating))) and dvd$3 and cd$3 and (wavelength with (two or dual or multi$3 or plural$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/07 15:24

S56	29	(((optic$4 with ((pickup or pick?up) or head)) and ((objective with lens$2) same (diffract$ near4 grating))) and dvd$3 and cd$3 and (wavelength with (two or dual or multi$3 or plural$3))) and (phase with shift$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/06/07 15:44
S57	73	(((optic$4 with ((pickup or pick?up) or head)) and ((objective with lens$2) same (diffract$ near4 grating))) and dvd$3 and cd$3 and (wavelength with (two or dual or multi$3 or plural$3))) and ((reduc$ or eliminat$ or suppress$) with aberrat$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/06/07 16:03
S58	300	((reduc$ or eliminat$ or suppress$) with jitter) same (phase near4 shift$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/06/07 16:13
S59	2	(((reduc$ or eliminat$ or suppress$) with jitter) same (phase near4 shift$3)) and (optic$4 with ((pickup or pick?up) or head)) and (diffract$ near3 grating)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/06/07 16:16
S60	47	(optic$4 with ((pickup or pick?up) or head)) and (diffract$ near3 grating) and (spheric$ with aberrat$) and jitter	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/06/07 16:33
S61	276	hayashi.in. and mizuno.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/06/07 16:33
S62	25	(hayashi.in. and mizuno.in.) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/06/07 16:34
S63	645	(359/569).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/06/07 16:45
S64	873	(359/566).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/06/07 16:45
S65	161	(359/570).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/06/07 16:46

S66	280	(359/719).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/07 16:46
S67	216	(359/721).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/07 16:46
S68	99	(359/724).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/07 16:46
S69	753	(359/708).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/07 16:46
S70	48	(369/112.03).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/07 16:46
S71	88	(369/112.04).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/07 16:46
S72	102	(369/112.05).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/07 16:46
S73	21	(369/112.06).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/07 16:46
S74	112	(369/112.07).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/07 16:46

S75	95	(369/112.08).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/07 16:46
S76	11	(369/112.11).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/07 16:46
S77	211	(369/112.12).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/07 16:46
S78	16	(369/112.13).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/07 16:46
S79	9	("5132843" | "5696750" | "5777803" | "5809000" | "5914822" | "6084710" | "6094308" | "6118594" | "6166854").PN.	USPAT	OR	ON	2004/06/07 16:53
S80	2	("6084843" | "6181668").PN.	USPAT	OR	ON	2004/06/07 17:00
S81	7	("6115192" | "6313956" | "6363037" | "6366542" | "6411442" | "6512640" | "6614600" | "2003/0103272").PN.	USPAT	OR	ON	2004/06/07 17:47
S82	1	("6285646" | "2002/0089764").PN.	USPAT	OR	ON	2004/06/07 17:48
S83	973	(7?? same 6?? same wavelength) and dvd$3 and cd$3 and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/07 18:42
S84	52	((7?? same 6?? same wavelength) and dvd$3 and cd$3 and (optic$4 with ((pickup or pick?up) or head))) and (diffract$ near4 grating) and (phase with (delay or shift$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/07 18:45
S85	2	("6043912").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/08 09:15
S86	2	jp-10293937-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/08 09:22

S87	2	jp-10269610-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/06/08 09:22
S89	0	((359/724).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:53
S90	38	((359/569).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:53
S91	50	((359/566).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:53
S92	8	((359/570).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:53
S93	32	((359/719).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:53
S94	5	((359/721).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:53
S95	14	((359/708).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:54
S96	24	((369/112.03).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:54
S97	42	((369/112.04).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:54
S98	48	((369/112.05).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:54

S99	11	((369/112.06).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:54
S100	58	((369/112.07).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:54
S101	54	((369/112.08).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:54
S102	0	((369/112.011).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:54
S103	5	((369/112.11).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:54
S104	116	((369/112.12).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:54
S105	9	((369/112.13).CCLS.) and (diffract$ with lens$2) and (optic$4 with head)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:54
S106	0	((359/724).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:55
S107	73	((359/569).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:55
S108	69	((359/566).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:55
S109	14	((359/570).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:55

S110	6	((359/721).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:55
S111	5	((359/708).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:55
S112	33	((369/112.03).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:55
S113	55	((369/112.04).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:55
S114	70	((369/112.05).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:55
S115	13	((369/112.06).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:55
S116	74	((369/112.07).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:56
S117	57	((369/112.08).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 11:55
S118	5	((369/112.11).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:56
S119	123	((369/112.12).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:56
S120	31	((359/719).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:56

S121	10	((369/112.13).CCLS.) and ((diffract$ near3 grating) same lens$2) and (optic$4 with ((pickup or pick?up) or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 08:56
S122	0	WO-0148745-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 09:02
S123	1	WO-200148745-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 09:03
S124	2	("20030026190").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/05/04 09:03
S125	2	("6043912").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/05/04 11:55
S126	173	(optic$4 near3 (pickup or pick?up or (pick near3 up) or head)) and (objective same ((diffract$ or hologra$ or phase) near4 (ring or doughnut)))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 12:46
S127	29	(optic$4 near3 (pickup or pick?up or (pick near3 up) or head)) and (objective same ((diffract$ or hologra$ or phase) near4 (ring or doughnut or band))) and aberrat$ and ((center$ or central$) with refract$)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 15:04
S128	117	(optic$4 near3 (pickup or pick?up or (pick near3 up) or head)) and (objective same ((diffract$ or hologra$ or phase) near4 (ring or doughnut or band))) and aberrat$ and (diffract$ near4 order)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/05/04 15:05